

REMARKS/ARGUMENTS

Claims 1, 3-7, and 9-21 are pending. Claims 1, 3, 9, 10, 13-15, 17, 19 and 20 have been amended. Claims 2, 8, 23, 26, and 29 have been canceled. No new matter has been added.

Claims 1-3, 8, 10, 13-15, 20, 21, and 26 were rejected under 35 U.S.C. §103(a) as being unpatentable over Chen et al. (U.S. Patent 6,625,624) in view of Mathur et al. (U.S. Patent 6,704,807). Applicants respectfully submit that independent claim 1. As amended, claim 1 recites, "a plurality of Web servers having respective Internet Protocol (IP) addresses, each Web server having a first proxy, a first memory, and a plurality of first processes, the first memory having a plurality of first slots, each first slot being assigned to one of the plurality of first processes and configured to store data to be transmitted or received by the assigned first process; a naming server configured to provide an IP address of a selected Web server to a client, so that the client can send a first request to the selected Web server..." Neither Chen nor Mathura discloses or suggests the "naming server," in the manner recited. Claim 1 is allowable.

Claim 10 recites, "a proxy to provide a communication link with another node in the communication system, the proxy being a software module to form a communication with another proxy residing remotely in another server; a plurality of processes running on the server; a shared memory having a plurality of slots to store data to be transmitted and received by the processes via the proxy; each slot being assigned to a particular one of the process; and a plurality of process mark devices, at least one being assigned to each slot to regulate data flow into and out of the slots of the shared memory, a plurality of proxy mark devices, each corresponding to one of the process mark devices, wherein each process mark device cooperates with the corresponding proxy mark device to regulate data being inputted to and outputted from the corresponding slot." Neither Chen nor Mathura discloses or suggests the "process mark devices" and the "proxy mark devices," in the manner recited. Claim 10 is allowable.

Claim 13 recites, "generating, within one of the first processes, a request to be transmitted to one of the second processes; storing the request into the first shared memory having a plurality of first slots, wherein each of the first slots is assigned to one of the first

processes and the request is stored in the first slot assigned to the first process that generated the request; transmitting the data stored in the first slot to the server via the first proxy; receiving the transmitted request via the second proxy that has a communication link established with the first proxy; storing the received request into the second shared memory having a plurality of second slots, wherein each second slot is assigned to one of the second processes and the received request is stored in the second slot that is assigned to the second process to which the data is directed; and reading the data stored in the second slot, wherein the first server includes a plurality of process mark devices to regulate data flow into and out of the first slots, at least one being assigned to each first slot, wherein the first server includes a plurality of proxy mark devices associated with the first proxy, each proxy mark device corresponding to one of the process mark devices, and wherein each process mark device cooperates with the corresponding proxy mark device to regulate data being inputted to and outputted from the corresponding first slot." Neither Chen nor Mathura discloses or suggests the use of "process mark devices" and the "proxy mark devices," in the manner recited. Claim 13 is allowable. Claims 21 and 26 have been canceled.

Claims 4-5, 6-7, 9, 11-12, 16-19, 22-23, and 29 were rejected under 35 U.S.C. §103(a) as being unpatentable over Chen and Mathur in view of Lanteigne et al. (U.S. Patent 6,557,056). Applicants respectfully traverse the rejection. Claims 4, 5, 6, and 7 depend from claim 1 and are allowable at least for this reason.

Claim 9 recites, "a plurality of Web servers to handle requests from the plurality of browsers, each Web server having a first proxy, a first shared memory, a plurality of first processes, and a plurality of mark devices, the first memory having a plurality of first slots, each first slot being assigned to one of the plurality of first processes and configured to store data to be transmitted or received by the assigned first process, the mark devices being assigned to the first slots and being operable to indicate whether data can be written or read from the first slots by the first processes, each Web server being associated with an Internet Protocol (IP) address; a naming server configured to provide IP addresses of selected Web servers to the browsers, so that the browsers can send first requests to the selected Web servers using the IP addresses

received from the naming server; and a plurality of executing servers to communicate with the Web servers, each executing server having a second proxy, a second memory, a plurality of second processes, and a plurality of mark devices, the second memory having a plurality of second slots, each second slot being assigned to one of the plurality of second processes and configured to store data to be transmitted or received by the assigned second process, the mark devices being assigned to the second slots and being operable to indicate whether data can be written or read from the second slots by the second processes, wherein the first proxy and second proxy are software modules configured to form a communication link with each other, wherein each first slot includes a dedicated input section to receive data to be transmitted to the one or more of the executing servers and a dedicated output section to store data to be received from one or more of the executing servers, and wherein each second slot includes a dedicated input section to receive data to be transmitted to the one or more of the Web servers and a dedicated output section to store data to be received from one or more of the Web servers." None of the cited references disclose or suggest the features recited above. Claim 9 is allowable.

CONCLUSION

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance and an action to that end is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

Respectfully submitted,



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